

20000417.qrp v01\_n794.qrl.20000417

Date: Mon, 17 Apr 2000 19:03:07 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1794

## QRP-L Digest 1794

Topics covered in this issue include:

- 1) [68026] Sell: NorCal Club Kits, unbuilt...  
by Patrick Armstrong <aa7fg@gte.net>
- 2) [68027] St. Louis Vertical Questions  
by Donald I Roher <donroher@juno.com>
- 3) [68028] Which wire antenna is the best all-rounder?  
by "QRP-L Listman" <qrp-la@hotmail.com>
- 4) [68029] SW-40 Questions  
by Donald I Roher <donroher@juno.com>
- 5) [68030] Re: Which wire antenna is the best all-rounder?  
by BenNW7DX@aol.com
- 6) [68031] Re: Paddles: New Ft. Smith QRP Group Kit Now available  
by "Ed" <ac5dc@ipa.net>
- 7) [68032] Sold: QF-1A  
by W1XV@cs.com
- 8) [68033] Oops  
by John Kuklewicz KQ6WC <kukl@cybrquest.com>
- 9) [68034] Sold: 515 Manual  
by W1XV@cs.com
- 10) [68035] SF:Sierra etc.SF:Sierra (fwd)  
by scott howell <n3byy@speakeasy.org>
- 11) [68036] PROP: Minor Storm & Calculations  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 12) [68037] FS MM3  
by paul taylor <ptay1@miro.bestweb.net>
- 13) [68038] Dayton  
by EBikales@aol.com
- 14) [68039] R1FJV- Franz Josef Land  
by CHARLES K BROWN <n4so@juno.com>
- 15) [68040] mw day 3  
by Pete Burbank <plburbank@kih.net>
- 16) [68041] Cub Model  
by "John J. McDonough" <wb8rcr@arrl.net>
- 17) [68042] Re: Dayton  
by Jim Stafford <w4qo@amsat.org>
- 18) [68043] REGEN and L-meter  
by Makoto Minowa <minowa@icepp.s.u-tokyo.ac.jp>
- 19) [68044] HW-8 tuning cap

- by tom whalen <wb5qyt@eFortress.com>
- 20) [68045] FS: Ten Tec KR-20A Single Paddle Keyer  
by "Tim Cook" <timcook@erinet.com>
- 21) [68046] F.S.--Ten-Tec Omni C rig  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 22) [68047] Re: Which wire antenna is the best all-rounder?  
by "Scott Hotchkiss" <w4pj@bellsouth.net>
- 23) [68048] F.S. QRP Items  
by Joseph Trombino Jr <joebarb@wilmington.net>
- 24) [68049] NEED Place To Pitch Tent At DAYTON  
by Everett Catlin <n5mzx@bellsouth.net>
- 25) [68050] [CLUB] Manhattan QRP club?  
by Jim Stafford <w4qo@amsat.org>
- 26) [68051] mW contest fun.  
by Ed Loranger <we6w@qsl.net>
- 27) [68052] QRQ Net report.  
by Ed Loranger <we6w@qsl.net>
- 28) [68053] if you have unbuilt SST 20 for sale  
by Alen Mitrovic <alen.mitrovic@hermes.si>
- 29) [68054] part info  
by neil tanner <ntan@crosslink.net>
- 30) [68055] Sharp Pocket Mail  
by "Francis Callahan" <colcal@srv.net>
- 31) [68056] OT Question follow-up  
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 32) [68057] A neat kit what might be interesting  
by Nils R Young <nilsbull@juno.com>
- 33) [68058] Club: QRP Vendors I need your info  
by "John Burnley" <burnleyia@home.com>
- 34) [68059] The Foxx 2 Transceiver  
by "Dennis Payton" <dpayton@fwi.com>
- 35) [68060] Re: Operating From Hotel Rooms  
by "Mike Yetsko" <myetsko@insydesw.com>
- 36) [68061] FS: NORCAL NC20 Kit  
by "KA5T Larry Wise" <lewise@inetport.com>
- 37) [68062] Re: "Uggerumph" & early spark technology  
by Wb8siw@aol.com
- 38) [68063] OHR Spirit audio problems?  
by Patrick Franzis <old\_radios@yahoo.com>
- 39) [68064] RE: HW-8 part needed  
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 40) [68065] QRPTTF - Delaware trip cancelled  
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 41) [68066] Re: The Foxx 2 Transceiver  
by "Dennis Payton" <dpayton@fwi.com>
- 42) [68067] VK0MM 10.103 mHz  
by CHARLES K BROWN <n4so@juno.com>
- 43) [68068] Manhattan construction thoughts

by Ken Knecht <kenk@primenet.com>  
44) [68069] BC-BAND REJECTION FILTER  
by CHARLES K BROWN <n4so@juno.com>  
45) [68070] Re: antenna fundamentals  
by "Rod, N0RC" <n0rc@qsl.net>  
46) [68071] Re: Manhattan construction thoughts  
by "Mike Yetsko" <myetsko@insydesw.com>  
47) [68072] PocketMail gadget  
by CHARLES K BROWN <n4so@juno.com>  
48) [68073] Re: HW-8 part needed  
by "Ken Hanks" <captnfd@yahoo.com>  
49) [68074] SSTV in 40 m CW band?  
by Arjen Raateland <Arjen.Raateland@vyh.fi>  
50) [68075] mW Contest Log: WE6W  
by Ed Loranger <we6w@qsl.net>  
51) [68076] Re: A neat kit what might be interesting  
by Bob Kellogg <ae4ic@nr.infi.net>  
52) [68077] RE: Manhattan construction thoughts  
by Karl Kanalz <KKanalz@excel.com>  
53) [68078] Re: Manhattan construction thoughts  
by "Dieter \ (Diz\ ) Gentzow WB8QYY" <wb8qyy@cinci.rr.com>  
54) [68079] RE: Manhattan construction thoughts  
by carlos.caro@lmco.com  
55) [68080] KITS:A neat kit what might be interesting  
by Jim Stafford <w4qo@amsat.org>  
56) [68081] Re: antenna fundamentals  
by "Bob Tellefsen" <n6wg@earthlink.net>  
57) [68082] Sell: Norcal club kits unbuilt - UPDATE  
by Patrick Armstrong <aa7fg@gte.net>  
58) [68083] Old Callbooks  
by "Dieter \ (Diz\ ) Gentzow WB8QYY" <wb8qyy@cinci.rr.com>  
59) [68084] More Milliwatting Fun  
by "Cam Hartford" <camqrp@cyberg8t.com>  
60) [68085] FS:crystals  
by Bruce Rattray <rattray@gpfn.sk.ca>  
61) [68086] FS: QRP accessories  
by "Ken Hanks" <captnfd@yahoo.com>  
62) [68087] Re FS:crystals  
by Bruce Rattray <rattray@gpfn.sk.ca>  
63) [68088] Re: QRP accessories  
by "Ken Hanks" <captnfd@yahoo.com>  
64) [68089] MDS explained for HF receivers  
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>  
65) [68090] Tyvek for Scott Sled Kite (antenna hook)  
by "David Porter" <dporter@voicenet.com>

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Date: Sun, 16 Apr 2000 16:02:16 -0700  
From: Patrick Armstrong <aa7fg@gte.net>  
To: qrp-l@Lehigh.EDU  
Subject: [68026] Sell: NorCal Club Kits, unbuilt...  
Message-ID: <38FA4678.C773219@gte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I offer the following for sale and thanks;

NC-20 club kit, unbuilt... \$135.00

NorCal iambic paddle kit, unbuilt...\$60.00

Pat, AA7FG...

-----  
Date: Sun, 16 Apr 2000 16:08:38 -0700  
From: Donald I Roher <donroher@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [68027] St. Louis Vertical Questions  
Message-ID: <20000416.160843.8438.1.DONROHER@juno.com>

St. Louis Vertical, has the 80/10 Meter coil upgrade, can any one tell me about this antenna. I have been offered one that belonged to a world class QRP'er. He did not get to use it before his death.

Any information would be helpful.

Thanks..... NL7QT

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-----  
Date: Sun, 16 Apr 2000 16:12:59 PDT  
From: "QRP-L Listman" <qrp-la@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [68028] Which wire antenna is the best all-rounder?  
Message-ID: <20000416231259.40832.qmail@hotmail.com>  
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I will be moving soon and wish to put up a new antenna.  
I think I will be limited to wire antennas, but have several  
good tall trees and a two storey house to use for supports.  
I want an antenna that will do 80m thru' 10m if possible  
incuding the WARC bands. Any ideas?

Thanks, Jake.

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

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Date: Sun, 16 Apr 2000 16:15:58 -0700  
From: Donald I Roher <donroher@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [68029] SW-40 Questions  
Message-ID: <20000416.162527.8438.2.DONROHER@juno.com>

What can the users and builders of this radio tell me about it....

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sun, 16 Apr 2000 19:29:56 EDT  
From: BenNW7DX@aol.com  
To: qrp-la@hotmail.com, qrp-l@lehigh.edu  
Subject: [68030] Re: Which wire antenna is the best all-rounder?  
Message-ID: <32.3c1670f.262ba6f4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Jake,

A good possible antenna would be an 80 meter loop fed with balanced line. This will work great on all bands. I know many people that use loops who are very satisfied. I myself am using a 40m delta loop, but I plan on replacing it with a 80m loop. A local ham here likes to build and test different antennas and he always finds himself coming back to the loop. The performance is very good.

There are many other excellent wire antennas out there as well. Even

just a dipole in those tall trees will bring in Tons of QSOs. A suggestion for you though is to feed the antenna with balanced line such as ladder line so you will be able to go on all the bands.

I am sure that you will get many good responses to your question.

72,

Ben - NW7DX

-----  
Date: Sun, 16 Apr 2000 18:38:42 -0500

From: "Ed" <ac5dc@ipa.net>

To: qrp-1@Lehigh.EDU

Subject: [68031] Re: Paddles: New Ft. Smith QRP Group Kit Now available

Message-ID: <200004162338.SAA22199@postoffice5.ipa.net>

I saw these at ArkieCon and they look like a great deal. One correction on Doug's posting is Jay's e-mail address.

Should be w5jay@alltell.net

>To order, send \$12 (Europe \$14, Pacific Rim \$16) to:

>Jay Bromley W5JAY

>9505 Bryn Mawr Circle

>Fort Smith, AR 72908-9276

>Please make check or money order to Jay Bromley, (US Funds

>only please).

>The paddles are based on the pcboard paddles that first appeared

>on the NorCal page and then in QST, except that I designed them

>to be iambic. If you have questions, please email

>w5jay@alltel.net (corrected)

Ed, AC5DC

Greenwood, AR

-----  
Date: Sun, 16 Apr 2000 19:45:08 EDT

From: W1XV@cs.com

To: qrp-1@lehigh.edu

Subject: [68032] Sold: QF-1A

Message-ID: <b8.47cc583.262baa84@cs.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Tnx to those of you who responded to my "For sale"  
of the QF-1A. It has been sold. 72 Brad W1XV

-----  
Date: Sun, 16 Apr 2000 16:52:48 -0700  
From: John Kuklewicz KQ6WC <kukl@cybrquest.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [68033] Oops  
Message-ID: <38FA5250.27ADFF9B@cybrquest.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Brad, just saw your note on the list that the filter has sold.

thanks and no need to reply to my earlier mail

73

John KQ6WC

-----  
Date: Sun, 16 Apr 2000 20:03:50 EDT  
From: W1XV@cs.com  
To: qrp-l@lehigh.edu  
Subject: [68034] Sold: 515 Manual  
Message-ID: <38.4afd60b.262baee6@cs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

The Ten-Tec 515 manual has been sold. Tnx to those of  
you who responded. 72 Brad W1XV

-----  
Date: Sun, 16 Apr 2000 08:03:41 -0400 (EDT)  
From: scott howell <n3byy@speakeasy.org>  
To: qrp-l@lehigh.edu  
Subject: [68035] SF:Sierra etc.SF:Sierra (fwd)  
Message-ID: <Pine.LNX.4.20.0004160803100.1873-100000@n3byy.yi.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sierra with KC1 keyer/counter (output freq in cw, no digital readout), 80 , 40, 30, and 20 band modules, manuals, 2.5 RS power supply. Asking \$300 obo.

Also have dk9sq masts and loop antenna. Both masts and loop \$225 or one mast \$80. Loop itself \$75.

Note all items include shipping and Insurance.

I also happen to have two of the RS fm antennas folks were making beams out of. Will let each go at \$10 and \$3 for shipping.

All prices negotiable.

tnx es 72 de Scott/n3bby

-----  
Date: Sun, 16 Apr 2000 18:29:08 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-l@lehigh.edu  
Subject: [68036] PROP: Minor Storm & Calculations  
Message-ID: <Pine.SUN.4.10.10004161800210.16676-1000000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Much of sunday was affected by a minor geomagnetic storm (K=6), which has since subsided (K=2). This is the result of a shock wave hitting the Earth from a coronal mass ejection (CME) on April 13th.

Here's some math on this event for those so interested.  
(Times rounded to nearest hour, UTC, for simplicity)

13 APRIL 2200UTC C-class flare and a partial-halo CME.  
16 APRIL 1000UTC ACE Spacecraft detects the shockwave from above CME.  
This triggered a minor geomagnetic storm with the  
K-index at 5 from about 1000 to 1500 UTC 16 APR

Total travel time of the CME shockwave was 2days, 12 hours, or 60 hours.  
The sun is about 93 million miles (150 million km) from the earth.

HOW FAST WAS THE SHOCKWAVE TRAVELING?

Divide 93 million miles by 60 hours = 1.55 million miles per hour



divide by 360 = 4,300 miles per second!

In the metric system:

150 million km / 60 hours = 2.5 million km per hour  
divide by 360 = 6,944 km per second.

This "shock wave" also had increased density over the normal density of the solar wind because it contained solar particles from the mass that was ejected with the flare/CME. When the shock arrived at earth, the density of the solar wind suddenly jumped from about 12 particles per cubic cm ( $p/cm^3$ ) to 30  $p/cm^3$ .

Surrounding the earth is our magnetic field. The boundary of our magnetic field is called the magnetosphere ... where our magnetic field suddenly begins like the wall of a balloon. It also forms a bow shock around the earth as it travels around the sun ... just like the bow shock wave in front of a boat traveling along a calm lake.

As this shockwave from the CME hit our magnetosphere, at a mere 4,300 miles per second :-), it caused our magnetic field to jolt and wiggle from the sudden shockwave hitting it. From the K-index record being K=5 for the 0900-1200UTC and 1200-1500UTC measurements, it obviously caused our magnetic field to wiggle for about 6 hours. During this time, huge electric currents were generated that travel along our magnetic field, causing very high noise levels on the HF bands and higher than normal absorption to signals.

This was a minor geomagnetic storm, and why the bands appeared dead earlier today. Today's estimated A-index is about 25, the final number will be released tomorrow.

#### THE GOOD NEWS:

The shockwave is long past us and our magnetic field has quietted down. There always seems a phenomenon that right after even a minor storm, our geomagnetic field gets VERY quiet. So late this afternoon could be a good period on the higher bands, and very good conditions tonight on 40M. Before something else smacks us ...

LIKE TODAY'S M4 flare/CME at 1018UTC. The shockwave from this CME is expected to hit us on April 18th.

Assuming the shockwave has about the same velocity of around 4,000 miles per second (1.5 million miles per hour), when will this shockwave reach the earth? A minor geomagnetic storm may be triggered from it's arrival as well.

-----  
Date: Sun, 16 Apr 2000 20:30:40 -0700  
From: paul taylor <ptay1@miro.bestweb.net>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [68037] FS MM3  
Message-ID: <3.0.32.20000416203038.0068ef0c@pop.bestweb.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have MM3 morse machine for sale. 32k memory.  
\$100 & shipping  
wb2gin

-----  
Date: Sun, 16 Apr 2000 20:38:05 EDT  
From: EBikales@aol.com  
To: qrp-1@lehigh.edu  
Subject: [68038] Dayton  
Message-ID: <54.2df1613.262bb6ed@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Everyone,

I think that I can actually make the 2nd and 3rd days at Dayton this year. This is great since I've missed the last 4 years straight because of work! So.... what hotel is "QRP active"? and are there any activities planned that I should know about? Any QRP-useful information is very much appreciated. Thanks!

Eric Bikales AC6NT

-----  
Date: Sun, 16 Apr 2000 19:46:56 +0100  
From: CHARLES K BROWN <n4so@juno.com>  
To: qrp-1@Lehigh.edu  
Subject: [68039] R1FJV- Franz Josef Land  
Message-ID: <20000416.194701.17486.4.N4S0@juno.com>

R1FJV worked on 14.004 at 0228Z  
Franz Josef Land

Using the NorCal 20

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal-20 at 5 watts  
4 ele. yagi

-----  
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-----  
Date: Sun, 16 Apr 2000 22:50:59 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [68040] mw day 3  
Message-ID: <3.0.32.20000416225054.0068589c@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

0245Z Rumi LZ2RS is on with 1 watt on 14060.9.  
GL Pete NV4V

-----  
Date: Sun, 16 Apr 2000 22:47:37 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [68041] Cub Model  
Message-ID: <000501bfa817\$4c934fa0\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

In creating some ARCI QSLMaker backgrounds, I thought it would be interesting to include a Cub. So I now have a PovRay model (albeit a little crude) of an MFJ Cub to go with my Bencher model (which was on the last QRP-L CD).

So, if anyone is doing a PoV model of radios etc. and want a Cub model, I'll be happy to share - just send me an email. Oh, I also have a Pixie in an Altoids tin model <g>

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Sun, 16 Apr 2000 23:03:27 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l list <qrp-l@lehigh.edu>  
Subject: [68042] Re: Dayton  
Message-ID: <38FA7EFF.7C19961B@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

The motel is the Ramada Inn Dayton Mall. The web link for all the activities is: <http://www.qrparci.org/fdim64.html>

Thanks for asking Eric. Others may have had the same question.

--  
Jim Stafford/W4Q0/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Mon, 17 Apr 2000 12:04:43 +0900  
From: Makoto Minowa <minowa@icepp.s.u-tokyo.ac.jp>  
To: <qrp-l@Lehigh.EDU>  
Cc: minowa@icepp.s.u-tokyo.ac.jp  
Subject: [68043] REGEN and L-meter  
Message-ID: <20000417120443S.minowa@icepp.s.u-tokyo.ac.jp>  
Mime-Version: 1.0  
Content-Type: Text/Plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dear QRPers and Homebrewers,

Two new items have been added to "7N3WVM's Home Page for Homebrewers" at

<http://www.qsl.net/7n3wvm/>

Those are:

"Regenerative Short Wave Radio" and "Simple Inductance Meter".

I hope they give you some hints for your homebrew projects.

73/72

DE 7N3WVM

MINOWA, Makoto

A bigot with no Yaesu, no Kenwood and no ICOM in his shack.

100% QRP and 100% Homebrew.

-----  
Date: Sun, 16 Apr 2000 19:50:12 -0600  
From: tom whalen <wb5qyt@eFortress.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [68044] HW-8 tuning cap  
Message-ID: <38FA6DD4.1034@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ken and gang,

Been there done that with the HW-8! My tuning cap was in pieces when I was given my HW-8.

This is what I did to fix mine.

First, go to the hobby shop and get a sheet of brass flat stock that is the same thickness as the original aluminum vanes.  
Then, trace the vane on the new brass flat stock.  
Press fit the new vanes into the slots on the rotor shaft.

Apply a little dab of solder flux at each joint.  
Heat up your portable torch and as fast as you can, heat up vanes and solder should flow.  
Don't bother with the rotor stops. This was the main problem with the capacitor breaking in the first place. You DON'T need it anyway. Bad move on Heathkits part!!

My HW-8 tunes up just fine and now and I dont have to worry about breaking any more vanes.

Hope this helps you Ken.

72, Tom WB5QYT..."Have spud will travel!"

-----  
Date: Sun, 16 Apr 2000 23:12:33 -0400  
From: "Tim Cook" <timcook@erinet.com>  
To: "tentec" <tentec@contesting.com>, "QRP" <qrp-1@lehigh.edu>

Subject: [68045] FS: Ten Tec KR-20A Single Paddle Keyer  
Message-ID: <03fc01bfa81a\$c8d9db80\$91785acf@erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have acquired a excellent condition KR-20A keyer that I do not need. It is a single paddle keyer that runs off ext 12vdc or 110vac. It has a silver face and black case. It works fine and I have the paperwork for it. I would like to sell it or trade for a dual paddle keyer. I am asking \$40 + shipping for it.

Thanks

Tim

NZ8J

-----  
Date: Sun, 16 Apr 2000 23:23:19 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [68046] F.S.--Ten-Tec Omni C rig  
Message-ID: <200004162326\_MC2-A164-6A20@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Gang:

After considerable deliberation, I have decided to sell my excellent Ten-Tec Omni C transceiver. Is in excellent condition, and has been meticulously cared for. Includes all the CW filters, etc. Also have original manual, Ten-Tec power cord. Selling it simply because the shack is over-crowded, and this great rig deserves a happy home.

Price including insured UPS shipping = \$485.00 to CONUS.

This is one of the finest CW rigs I have ever used. It is exceptionally quiet and sensitive, all controls run smoothly, and the PTO is excellent. It is also a proven QRPer and DXer. Makes operating a pleasure.

If you are interested in purchasing this rig, please let me know ASAP. Not interested in trades for other gear.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

(Shipping: DSBF, 2020 Lovett Ave, Bismarck, ND 58504)

K0EVZ@arrl.net

-----  
Date: Sun, 16 Apr 2000 23:36:41 -0400

From: "Scott Hotchkiss" <w4pj@bellsouth.net>

To: <qrpla@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [68047] Re: Which wire antenna is the best all-rounder?

Message-ID: <002401bfa81e\$25edf420\$5ed34dd8@w4pj>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Certainly a Rhombic,

or 12 rhombics - one in each compass direction. <grin>

One can dream!

Scott R. Hotchkiss

Fort Lauderdale, Florida

----- Original Message -----

From: QRP-L Listman <qrpla@hotmail.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Sunday, April 16, 2000 7:12 PM

Subject: Which wire antenna is the best all-rounder?

> I will be moving soon and wish to put up a new antenna.

> I think I will be limited to wire antennas, but have several

> good tall trees and a two storey house to use for supports.

> I want an antenna that will do 80m thru' 10m if possible

> including the WARC bands. Any ideas?

>

> Thanks, Jake.

>

> -----  
> Get Your Private, Free Email at <http://www.hotmail.com>

>

>  
-----

Date: Sun, 16 Apr 2000 23:51:01 -0400  
From: Joseph Trombino Jr <joebarb@wilmington.net>  
To: QRP-L@LEHIGH.EDU  
Subject: [68048] F.S. QRP Items  
Message-ID: <3.0.6.32.20000416235101.008d6270@wilmington.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Fellow QRP'ers:

Time to make some room in the shack so I have the following items for sale.  
All prices include shipping to the lower 48.

MFJ 259 HF/VHF Antenna Analyzer with pouch, excellent condition.       \$175

MFJ 219 UHF Antenna Analyzer, excellent condition.                       \$ 65

St. Louis Antenna Tuner kit, unbuilt                                       \$ 65

NC-20 NorCal version, 7 watts out, very stable, AGC and other mods,  
10 turn pot, case unpainted.   \$110

MFJ 422B Pacesetter keyer (the one that fits on top of the Bencher  
paddle), excellent condition.   \$ 65

MFJ 401B Econo-Keyer, some scratches, works great. I have two of these  
for \$25 each.

-----snip-----

All of the above items have been sold except for the MFJ422B Pacesetter keyer.

72, Joe W2KJ

-----  
Date: Sun, 16 Apr 2000 23:54:22 -0500  
From: Everett Catlin <n5mzx@bellsouth.net>  
To: qrp-l@Lehigh.EDU  
Subject: [68049] NEED Place To Pitch Tent At DAYTON  
Message-ID: <38FA98FD.ACC42B1A@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am asking if there is someone who is willing to let me pitch a tent  
for two nights so I can attend the QRP FORUM Thursday. I have limited  
funds but willing to pay something. Please e mail me at



n5mzx@bellsouth.net. Comming up on food and gas money but is something I have to do once in my life. Thank you.

Ev Catlin Jr  
N5MZX  
QRP ARCI # 5770

-----  
Date: Mon, 17 Apr 2000 01:07:05 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l list <qrp-l@lehigh.edu>  
Subject: [68050] [CLUB] Manhattan QRP club?  
Message-ID: <38FA9BF9.AB18CBF@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Isn't there a QRP club in Manhattan or NYC? I think I conversed with one of their members one time.

Any contact would be appreciated.

--  
Jim Stafford/W4Q0/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Sun, 16 Apr 2000 23:11:25 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>  
Subject: [68051] mW contest fun.  
Message-ID: <38FAAB0D.1CF4EB1B@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

It was a great night. The qrp net and then just about 2 hours left to play in the final day of the mW contest.

On a whim, I answered N6RZ's CQ. I was at 23 milliWatts and was smiling, thinking NO WAY! Sure enough, I nabbed Dave and he's in the log. We ended up having a long 25 minute ragchew. So with about 1.5 hours left in the contest, I took a short break for pizza and with renewed courage thanks to Dave, I hung mostly at 90 mW and nabbed quite a few qso's. I think the best nights are now Friday and Sunday local dates.

I was amazed that Jim/AL7FS in Alaska heard my 90 mW so well. I had the K2 at 100 mW and my external switch attenuator at 1 dB I think. Seemed that anything under 7 dB attenuation now feels like QR0!

I'll re-read the scoring rules and figure out my score. AS usual, I don't expect much in the standings since the West coast is usually among the lower scoring locations.... but the contest made all the players winners for sure.

Have a great week. -Ed

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
My 2 pennies worth is just common cents.

-----  
Date: Sun, 16 Apr 2000 23:17:23 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>  
Subject: [68052] QRQ Net report.  
Message-ID: <38FAAC73.B4B5262F@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Quick report:  
WE6W, NW7DX, and K7TQ checked in.  
final QRQ speeds were 80, 82, 34 respectively.  
It appeared there were many listeners out there from the sound of occasional tones on the side..

Practice is important to keep the speeds up. I've been hitting the key about 2 hours a day to stay in shape. The guys are really doing well.

I'll try to get the next sentence batch out soon.

Randy/K7TQ checked in initially at 100 mW and 339 from here. Must have been itching to get back to the mW contest!

Oh, before the net, I had KE6WLI from across town come visit. I sent him away with the KD7S loop, a 2.3 AHR gel cell, and a EDS smart charger. He'll be able to work 20 thru 10 meters from inside his pre-fab QTH where they have antenna restrictions! He's stoked.

The big news is that I demonstrated the loop. Yup! 5 watts to WA and worked Ben/NW7DX on his RH-20! Ben was 3 Watts and the KD7S loop was hanging on an old Hoe stuck into a vise and only 6 inches above the cement floor inside the garage shack!

Scott/KE6WLI was totally blown away and couldn't wait to get home to use his /AG license with the indoor loop!

What a way to end the weekend.

72 to all. -Ed/we6w

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
My 2 pennies worth is just common cents.

-----  
Date: Mon, 17 Apr 2000 11:28:02 +0200  
From: Alen Mitrovic <alen.mitrovic@hermes.si>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [68053] if you have unbuilt SST 20 for sale  
Message-ID: <EA63CEA50DF8D311ABAD00B0D02117326C7161@hal9000.hermes.si>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

if you have unbuilt SST 20 for sale, please let me know.

72

Alen / S53MA

-----  
Personal Webpage: <http://www.qsl.net/s53ma>  
-----

-----  
Date: Mon, 17 Apr 2000 06:54:22 -0400  
From: neil tanner <ntan@crosslink.net>  
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>  
Subject: [68054] part info  
Message-ID: <38FAED5E.65CE7ACF@crosslink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello all

I am trying to locate a part for a friend....either a good substitute or exact replacement. I have tried several suppliers and online cross ref check, but nothing. Just thought someone here may either have one that he would like to sell, or maybe point me in the right direction. The part is a switching DC regulator chip, #MB3775.

Cheers es 72-----Neil wa4chq

-----  
Date: Mon, 17 Apr 2000 05:05:12 -0600  
From: "Francis Callahan" <colcal@srv.net>  
To: <QRP-L@Lehigh.edu>  
Subject: [68055] Sharp Pocket Mail  
Message-ID: <003001bfa85c\$ce3c9e40\$16de070c@callahan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Has anyone bought or used the new Sharp Pocket Mail device in order to keep up on the thier e mail and of codurse the qrp list while traveling. I would appreciate any experiences with it. 72 Cal KF7ET

-----  
Date: Mon, 17 Apr 2000 07:08:11 -0400 (EDT)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: QRP-L List <qrp-l@lehigh.edu>, towertalk@contesting.com, antennas@qth.net,

antennaware@contesting.com

Subject: [68056] OT Question follow-up

Message-ID: <Pine.GS0.4.10.10004170655180.9366-100000@moe.cas.utk.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Please excuse my incursion, but the Uggerumph apparently has been used in connection with the subject matter of this list upon one or more persons who subscribe. However, the only known etch-a-sketch was lost in an earthquake.

My thanks to all who replied. Here is the sum of their revelations.

Unlike the Wouff-Hong and the Rettysnitch, which are objects, the Uggerumph was "alive." Apparently, it was mean (how mean is unrepeatable), It was also applied to the body of the deserving subject, leaving behind permanent scars of both body and psyche--both too hideous to be revealed in detail. Apparently even Gil, the long-time QST cartoonist, did not attempt a visualization. However, Jeeves refers to the Uggerumph.

If anyone runs across a visualization of the Uggerumph, a copy would be appreciated.

AS well, if anyone runs across quotations referring to the Uggerumph beyond the Feb., 1932 items by TOM, I'd also like to receive copies whenever convenient.

Thanks to all (so far and in the future) for the help. Just too many victims to thank individually for their confessions.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	Tel: (865) 938-6335
1434 High Mesa Drive	/	\	\	----	\	---	<a href="http://www.cebik.com">http://www.cebik.com</a>
Knoxville, Tennessee	/\	\	\	/	/		e-mail: <a href="mailto:cebik@utk.edu">cebik@utk.edu</a>
37938-4443 USA	/	\	\				e-mail: <a href="mailto:w4rnl@arrl.org">w4rnl@arrl.org</a>

-----  
Date: Mon, 17 Apr 2000 07:59:22 -0400  
From: Nils R Young <[nilsbull@juno.com](mailto:nilsbull@juno.com)>  
To: QRP-L@lehigh.edu

Subject: [68057] A neat kit what might be interesting  
Message-ID: <20000417.075959.-443543.0.nilsbull@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Gang,

I am blessed by someone for the ongoing subscription (for want of a better term) to the occasional and frequent appearance of the Edward R. Hamilton Bookseller remaindered book list. I've found many an interesting tome, most of which I intend to read between retirement & the estate auction in the catalog/list in question. But the most recent one has a couple entries that look like I may need to get more than one of.

Item #249742 "Build Your Own Walkie-Talkie" by Jim Becker & al. Complete kit comes with detained instyructions and electronic components, and everything else you need to assemble a working cardboard telephone. For children over 6 with adult supervision. 63 pages. Running Press. Paperbound. Pub. at \$19.95

Item #249734 "Build Your Own Telephone" by Jim Becker & A. Mayer.. Complete kit comes with detained instyructions and a set of components for building two cardboard walkie-talkies. For children over 6 with adult supervision. Two 9-volt batteries not included. Illus. 64 pages. Running Press. Paperbound. Pub. at \$19.95

As you can guess, I'm sending for the first & giving serious consideration to the second, if only to hang onto it until one of these boys brings me grandchildren. Or I might just use the phone myself.

I wonder if the K2 gang had anything to do with this?

73

Nils

-----

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes  
Sonrientes  
<http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>  
In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!  
--- Comrade Nikolai Sergeevich McTovarishov

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 17 Apr 2000 07:04:03 -0500  
From: "John Burnley" <burnleyia@home.com>  
To: <QRP-L@lehigh.edu>  
Subject: [68058] Club: QRP Vendors I need your info  
Message-ID: <000301bfa865\$06358fc0\$1b790818@c149552-a.west1.ia.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The Iowa QRP Club will have a display table at the Des Moines hamfest on Saturday April 29, 2000. We would love to include information from the various QRP related vendors. Send us your catalogs or info sheets and we will be happy to distribute them at this and other upcoming hamfests. If you are interested, please email me privately. Thanks in advance.

72, John NU0V

-----  
Date: Mon, 17 Apr 2000 07:03:00 -0500  
From: "Dennis Payton" <dpayton@fwi.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [68059] The Foxx 2 Transceiver  
Message-ID: <003801bfa864\$f2f4f900\$dca854d1@locke>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

In the Summer '97 issue of SPRAT George Dobbs presented the Foxx transceiver, a creation of George Burt, GM30XX, and probably the first of the Pixie-type simple transceivers. He made a few changes to it and called it the Foxx 2. Although I was impressed by his claims of over one watt out and T-R offset, I never got around to building one. I finally bought a couple kits from him last year at Dayton but still didn't get around to building one until recently, when I decided to put one of those 7.122 crystals that I bought from Norcal to good use.

It went together easily, adjusting the offset to 700 Hz. and adding a little PUT sidetone circuit to it was simple, and I was amazed at the output -

over two watts. With the other simple rigs I've built, I've always had to work to get the most power out of them but with this one, I had to reduce it to get my desired output of one watt.

7.12 Mhz. can be a tough place to operate QRP with such a simple receiver, but placing Roy Lewallen's G-Filters (SPRAT 58) in front of the rig made a huge difference. I called CQ for a short time Saturday night with no takers but Sunday afternoon tried again and made my first contact with it, a nice QSO with WA2QKF in New York, who was running a K2 at 5 watts. As a K2 owner myself, I'm sure he was having fun, but today I think I was having more fun!

If you're looking for a simple little project, I'd highly recommend going back and looking up the Foxx 2. It's quick and easy to build and it's a very usable little novelty rig.

Denny Payton, N9JXY  
Auburn, IN

-----  
Date: Mon, 17 Apr 2000 08:39:48 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <nskousen@scientechn.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [68060] Re: Operating From Hotel Rooms  
Message-ID: <012f01bfa86a\$55c77d00\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Ant3) My best hotel antenna is a 65' endfed wire antenna with a 17'  
> counterpoise (similar to a W3EDP). I use 28ga blk/red teflon wire  
with a  
> ZM-1 tuner. I lay the 17' counterpoise on the floor in the room, put  
the  
> tuner at the window and suspend the wire out the window. When  
suspending  
> the wire out the window, it is important to get it away from the  
building.  
> When I can't get it to a tree or other support, I have a small  
collapsible  
> 6' fishing pole which I can usually tape/clamp at the window and use  
to  
> suspend the wire out from the building.



>  
> Niel

Wow, this brings back memories of a device called the Popiel (sp?)  
pocket fisherman. Guy named Ron Popiel marketed that and the  
veggamatic back in the 60's, now he's Ronco. But I see lots of  
colapsible poles in places like Walmart.

Has anyone done any checking to see if any of the poles are 'bad'?  
They might have conductive cores or such that could influence how  
you use them. If they were totally 'inert' to RF, then you could string  
the live element right through the guides...

Mike

-----  
Date: Mon, 17 Apr 2000 12:55:57 +0100  
From: "KA5T Larry Wise" <lewise@inetport.com>  
To: "qrp" <qrp-1@lehigh.edu>  
Subject: [68061] FS: NORCAL NC20 Kit  
Message-ID: <200004171254.HAA27376@admin.inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Norcal NC20 Kit. Box opened,  
but no internal parts bags opened.  
Ten Turn pot included as an extra

\$100 shipped CONUS

Larry KA5T  
Georgetown, TX

-----  
Date: Mon, 17 Apr 2000 09:03:15 EDT  
From: Wb8siw@aol.com  
To: cebik@utkux.utcc.utk.edu, qrp-1@lehigh.edu  
Subject: [68062] Re: "Uggerumph" & early spark technology

Message-ID: <67.313aa4f.262c6593@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Dear L.B:

Perhaps some additional information on early spark technology would be helpful. Early Spark Transmitters produced a "damped oscillation." The electrical discharge of a high voltage transformer across a gap in an LC circuit excited the LC circuit, which then oscillated at it's resonant frequency. The process is not unlike ringing a bell. Tapping the bell starts it ringing at it's resonant frequency, and the amplitude decreases over a period. The more often the "clapper" rings the bell, the greater the average amplitude.

Early spark transmitters utilized a "straight" spark gap. The audio frequency one would hear in a receiver was typically a result of the the adjustment of an interruptor or other device at the primary of the transformer. Typically a low, rough, note.

Eventually, radio engineers figured out that one could increase the efficiency of the spark transmitter by placing a rotary gap in the LC circuit. This device was essentially a "spoked" wheel that rotated on a motor shaft (insulated from the motor, of course), that interrupted the spark at a much higher rate (e.g. ringing the bell faster). This improved efficiency and provided a somewhat more pleasing high frequency tone in the receiving operators phones; it also cut through interference easier.

The "zenith" (no reference to "9ZN" intended) of spark technology was the "synchronous" rotary spark gap. This was typically a spark-wheel on the shaft of a motor that rotated at a multiple of the AC frequency at the input of the spark transformer primary (e.g. a multiple of 50 or 60 hz). This device improved efficiency above the non-synchronous rotary spark gap for two reasons:

- 1) The spark gaps were aligned at the peak of the AC wave form, therefore delivering more power to the LC circuit.
- 2) The tone was more pleasing to the ear and cut through interference better, since the discharges were evenly synchronized.

All of this having been said, a common "trick" utilized by radio amateurs when sending "30" (di-di-di-dah-di-dahhhhhh) at the close of a QSO was to open the "transmit/receive" switch (usually a big knife witch), allowing the spark to die during this last prosign. The result was an unusually "growl." Likewise, an improperly adjusted rotary gap or an inexpensive "straight" gap typically had a rough, unpleasant note in the receiving operators headphones.

Therefore, I suspect, the term "Uggerumph."

By the way, the reason we refer to radiotelegraphy as "CW" is related to spark technology. Unlike early spark transmitters, which produced a "damped oscillation", vacuum tube transmitters produced an "undamped" oscillation or "continuous wave." Therefore, when vacuum tube transmitter technology came into favour in the early '20s, the term "CW" became synonymous with radiotelegraphy. In reality, all modern modes utilize a continuous wave, but we continue to associate "CW" with radiotelegraphy.

Anyway, I hope that explanation of early spark transmitter technology helps.

73, Jim WB8SIW

-----  
Date: Mon, 17 Apr 2000 06:05:43 -0700 (PDT)  
From: Patrick Franzis <old\_radios@yahoo.com>  
To: QRP-L@lehigh.edu  
Subject: [68063] OHR Spirit audio problems?  
Message-ID: <20000417130543.27679.qmail@web123.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi everyone,

I have a 6 year old Oak Hills Research Spirit-40 that works great, but once and a while, the audio changes for a few seconds and becomes very flat. Has anyone else had this problem?

Thanks, Pat N10CJ

-----  
Do You Yahoo!?  
Send online invitations with Yahoo! Invites.  
<http://invites.yahoo.com>

-----  
Date: Mon, 17 Apr 2000 09:48:45 -0400  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: "'captnfd@yahoo.com'" <captnfd@yahoo.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [68064] RE: HW-8 part needed  
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1A58@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Same thing happened to me. I took the plates out of the shaft, put a bit of 5-minute epoxy on the shaft, then reinserted the plates. When the epoxy set, I had a permanent repair.

73,  
Ed Hare, W1RFI

-----Original Message-----

From: Ken Hanks [mailto:captnfd@yahoo.com]  
Sent: Sunday, April 16, 2000 12:08 PM  
To: Low Power Amateur Radio Discussion  
Subject: HW-8 part needed

The plates on the HW-8 tuning cap separated from the shaft. Despite several attempts, I cannot get the plates to stay on the shaft.

I am looking for one of the following:

1) Source of a replacement capacitor

OR

2) Non-working HW-8 I can use for parts

Any assistance is appreciated.

73,

Ken Hanks K1XS  
Naugatuck, CT  
captnfd@yahoo.com

-----  
Date: Mon, 17 Apr 2000 10:44:34 -0400  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.edu>  
Subject: [68065] QRPTTF - Delaware trip cancelled  
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1A5C@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Unfortunately, I won't be able to make my planned QRPTTF operation from Delaware this year. The ARRL RF Safety Committee and a representative from the National Cancer Institute are meeting at ARRL HQ on 4/28 to discuss a

possible epidemiological study. The RFSC folks are being kind enough to stay over Saturday night to save the League some big \$\$\$ on air fare, asking only that they get to come to ARRL HQ and operate W1AW for a while.

I was going to go do Delaware early Saturday AM, but the more I thought about it, I realized that duty and personal hospitality for my guests should have priority over even a QRP contest. :-)

Just thought I would let folks know, in case they were making plans to QSO Delaware. Sorry.

73,  
Ed Hare, W1RFI

-----  
Date: Mon, 17 Apr 2000 09:36:30 -0500  
From: "Dennis Payton" <dpayton@fwi.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [68066] Re: The Foxx 2 Transceiver  
Message-ID: <004e01bfa87a\$5334a9e0\$dca854d1@locke>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

After being asked about building Roy's Lewallen's G-Filter, I realized I goofed. I'm actually using the "BC-Band Energy-Rejection Filter" that is in several of the handbooks. I built it some time ago and it has worked very well with simple DC receivers. I think it was designed by Ed Wetherhold, W3NQN.

Roy's filter is very narrow with some attenuation and is designed specifically for bad BCI problems on 7.0 - 7.05.

Denny N9JXY

-----  
Date: Mon, 17 Apr 2000 03:51:09 +0100  
From: CHARLES K BROWN <n4so@juno.com>  
To: qrp-1@Lehigh.edu  
Subject: [68067] VK0MM 10.103 mHz  
Message-ID: <20000417.085014.17934.1.N4SO@juno.com>

VK0MM worked on 10.103 listening up 10.108 at 0936Z

5 watts and Kenwood TS-850S. Macquarie Is

Typical splits up 5 kHz.

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal-20 at 5 watts  
4 ele. yagi

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 17 Apr 2000 08:24:10 -0700  
From: Ken Knecht <kenk@primenet.com>  
To: qrp-1@Lehigh.edu  
Subject: [68068] Manhattan construction thoughts  
Message-ID: <3.0.6.32.20000417082410.00818e10@pop.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I was thinking about the Manhattan construction method this morning.

A thought. (This is probably not original but I don't recall reading it anywhere.)

Rather than trying to come up with a large-enough piece of PC board to build on, why not take a piece of cardboard and glue down a sheet of aluminum foil on one surface. Then construct on this. Not as good as copper but it still should work. Essentially free and you could quickly make up a piece, any size or shape, whenever you needed it.

If necessary, the builder could give the cardboard a shot of water proofing before adding the aluminum foil - probably an artist's fixitive like Krylon spray would be the most convenient to use, but there are other sprays that should work as well. Or just paint the cardboard with something handy - acrylic varnish or paint maybe?

If anyone tries this let me know the results please. I don't have an immediate project in mind or free time at the moment to experiment.

72

Ken W9NPP AZ

-----  
Date: Mon, 17 Apr 2000 09:21:34 +0100  
From: CHARLES K BROWN <n4so@juno.com>  
To: qrp-1@Lehigh.edu  
Subject: [68069] BC-BAND REJECTION FILTER  
Message-ID: <20000417.092351.17934.3.N4S0@juno.com>

A BC-BAND ENERGY-REJECTION FILTER for improving poor front-end selectivity or poor RF amplifier and mixer stages is described in the ARRL HANDBOOK 1996, page 16.36, and other editions. Protects from overloading of nearby commercial or amateur stations. "It attenuates the out-of-band signals from broadcast stations but passes signals of interest (1.8 to 30 Mhz) with little or no attenuation."

"...provides about 60 dB of stop-band attenuation with less than 1 dB of attenuation above 1.8 Mhz...."

Seven capacitors and three toroidal core inductors are the main components.  
Info and schematic diagram are on the page with a photo of the unit.

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal-20 at 5 watts  
4 ele. yagi

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 17 Apr 2000 09:20:04 -0600  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: <nally@talstar.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [68070] Re: antenna fundamentals  
Message-ID: <00fe01bfa881\$50c81280\$9e101004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: John Nall <nally@talstar.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Sunday, April 16, 2000 4:11 PM

Subject: antenna fundamentals

...

> So I will look at the Antenna Handbook and decide on something to try, but

> wondered if an experienced qrp-er would say "oh, everybody does

> thus-and-thus on 40 qrp." ??

>

There are as many answers to this question, as people to answer it. Space, money, restrictions are probably the primary constraints.

That said: You can't go wrong with a POD--Plain Old Dipole. Simple, cheap, effective. You can go for a monoband version cut to 40m, or a twinlead/tuner fed style that will work multiband. I use the later, in the attic, bent to fit the space available, only 20 ft above the ground, 40-10m, and it works pretty well. I use it because I'm deed restricted.

The ARRL Antenna book has details on how to build mono/multi-band diopole somtimes called doublet's. Also check out the articals at <http://www.cebik.com/groundup.html> good reading about useful antennas for QRP work.

> Also, a question that is so basic I hate to ask it, but I can't find the

> answer to it

> in the manual (probably because it is so basic). When figuring the length

> of the

> antenna, does the length of the transmission line get included in that? Or

> is it

For single band, half wave, dipoles the antenna length is calculated as:

Length in Ft. = 468/freq (in MHz)

The feedline length does not enter into the calculation.



For multiband doublets the situation is more complex. The antenna length is not critical but 131, 100 and 50 ft are often used. The twinlead with help from the tuner acts as a matching network to present a proper load to the Transmitter and reduce SWR. (Notice I said reduce, not eliminate. SWR < 2:1 is acceptable. Just not optimal.) You may find one or more bands difficult to tune with this arrangement. To correct add or trim 1/8-1/4 wavelength of twinlead, experimentation is required for you particular installation.

GL

---

72/3 Rod, NØRC -- Fort Collins, CO

-----

Date: Mon, 17 Apr 2000 11:52:55 -0400  
From: "Mike Yetzko" <myetzko@insydesw.com>  
To: <kenk@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [68071] Re: Manhattan construction thoughts  
Message-ID: <001e01bfa885\$04ba53e0\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

While a nice idea, it falls down in one critical area...

The advantage of the 'copper clad' board is a big ground plane (ok so far) that you can solder to at any and all places (oops).

Now if you got copper foil....

Or... if you put 'rivits' or some other solderable connection into the sheet. But then, why not just use a sheet of aluminum? Better yet, why not a sheet of copper? It's available at hardware stores as 'flashing', although it is more pricey than aluminum.

But you can actually use what you want. This is all sorta an exercise of 'making do', not a hard-coded 'must do' kind of thing. And in reality, I sorta like the idea of aluminum foil over cardboard, and I think that might have some potential in some cases.

Mike

> I was thinking about the Manhattan construction method this morning.  
>  
> A thought. (This is probably not original but I don't recall reading  
it  
> anywhere.)  
>  
> Rather than trying to come up with a large-enough piece of PC board to  
> build on, why not take a piece of cardboard and glue down a sheet of  
> aluminum foil on one surface. Then construct on this. Not as good as  
copper  
> but it still should work. Essentially free and you could quickly make  
up a  
> piece, any size or shape, whenever you needed it.  
>  
> If necessary, the builder could give the cardboard a shot of water  
proofing  
> before adding the aluminum foil - probably an artist's fixitive like  
Krylon  
> spray would be the most convenient to use, but there are other sprays  
that  
> should work as well. Or just paint the cardboard with something  
handy -  
> acrylic varnish or paint maybe?  
>  
> If anyone tries this let me know the results please. I don't have an  
> immediate project in mind or free time at the moment to experiment.  
>  
> 72  
>  
> Ken W9NPP AZ

-----  
Date: Mon, 17 Apr 2000 09:52:30 +0100  
From: CHARLES K BROWN <n4so@juno.com>  
To: qrp-1@Lehigh.edu  
Subject: [68072] PocketMail gadget  
Message-ID: <20000417.095608.16198.1.N4S0@juno.com>

--For keeping in touch with qrp-1 internet E-mail friends--  
insert a message into the PocketMail gadget and hit Send,  
and it dials an 800 number  
From: <N4S0@juno.com>

Pocketmail

<http://www.pocketmail.com>

PocketScience Inc.  
2075 de la Cruz Blvd.  
Suite 100  
Santa Clara, CA 95050  
ph 408-919-7444  
fax 408-919-7447

[info@pocketscience.com](mailto:info@pocketscience.com)

The PocketMail device is a JVC HC-E100.

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal-20 at 5 watts  
4 ele. yagi

---

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<http://dl.www.juno.com/get/tagj>.

-----

Date: Mon, 17 Apr 2000 12:26:46 -0400  
From: "Ken Hanks" <captnfd@yahoo.com>  
To: <w1rfi@arrl.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [68073] Re: HW-8 part needed  
Message-ID: <003201bfa889\$bc885360\$ef148ad1@acer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Many replies to may question about the broken tuning cap on my HW-8.

I'll try to epoxy the plates first and then take Tom's, WB5QYT, suggestion  
and make new plates out of brass.

The plates seem to have shorted out the board and now the rig will not even  
power up.

Thanks for all the assistance.

73,

Ken Hanks K1XS  
Naugatuck, CT  
CaptNFD@yahoo.com

-----  
Date: Mon, 17 Apr 2000 19:41:55 +0300  
From: Arjen Raateland <Arjen.Raateland@vyh.fi>  
To: QRP-L <QRP-L@lehigh.edu>  
Subject: [68074] SSTV in 40 m CW band?  
Message-ID: <38FB3ED3.7129@vyh.fi>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

I recently installed a 7020 kHz ceramic filter into my Sierra's 40 m module to get rid of IMD in the evening hours. I haven't been able to ascertain if it really works as it isn't dark enough when I'm in my shack/my office at work (spring).

Well, I hoped the filter would really clean up 40 m CW for me, but there is still an awful amount of QRM in the CW part of the 40 m band even though it isn't even dark yet (my QTH: Helsinki, Finland).

I can't tell for sure what it is, but it assume it is SSTV. Find an empty spot and in no time you'll have company of an SSTV station wiping you out. Pretty wide stuff and all down to 7020 kHz and below.

I don't really want to believe my ears; is it what I think it is or are these spurious responses of my RX?

If it is SSTV, I really wonder why anyone feels he can operate SSTV all over the very narrow 40 m CW band. It's quite obvious that there is just no space for many wide band stations below 7040 kHz and OTOH there is plenty of space on e.g. the 20 m band.

What are your experiences of 40 m? Is this what to expect? I don't think I'll linger very long on 40 m if it is.

73,

--

Arjen Raateland  
OH2ZAZ

Finnish Environment Institute

SAS Support  
phone +358 9 4030 0350

-----  
Date: Mon, 17 Apr 2000 10:03:26 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: ac5dc@amsat.org, Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>  
Subject: [68075] mW Contest Log: WE6W  
Message-ID: <38FB43DE.BEAA5962@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, I hope I've got it right. All the information is here  
if you need to fix it for me : )

I am Selecting Day1 and Day 3 totals for my entry.

=====  
Claimed Score total: 11,648  
=====

Station: WE6W, Ed Loranger  
241 Barham Ave.  
Santa Rosa, CA 95407-7052

Rig: K2 at posted power levels.  
Attenuator: 10 dB in 1 dB steps.  
Ant: 40 Meter Folded Dipole up 25 to 30 feet.  
Key: Blue Racer bug.  
ATU: ZM-2  
Feedline: Twisted Teflon coated #22 AWG wire.

STANDARD Exchange: RST CA Ed Power.

Begin Log:  
Friday (local date), 2200-0200Z 4/15-16/2000 UTC

=====  
bnd time call sent/rcvd spc name His/my power. NOTE  
15M 2248Z NQ5RP 339/339 AR Jim 100 mW 35 mW Club +4000, 32pts  
40M 0016Z WB6LRV 579/229 CA Peggy 4W 8 mW 128 points  
40M 0034Z KF6GC 579/239 CA O.W. 3W 8 mW 128 Points  
40M 0102Z W6GQR 559/529 CA Paul 100 mW 8 mW 128 Points.

Day 1 Totals:  
Points: 416  
Club: 4000  
Spc:X2  
Unique names=X4

=====  
TOTAL for DAY 1 ==> 416\*2\*4names + 4000 => 7,328  
=====

Day 2; Saturday (local date), 0000Z-0400Z 4/16/2000 UTC  
=====

```
bnd  time  call sent/rcvd spc name His/My power.  NOTE
40 M 0106Z AA6AV 589/559 CA Peter 2W  90 mW Points: 16
40 M 0208Z K6RPN 549/539 CA Doug 50mW  800mW Pts:2
40M 0235Z N4ROA 229/339 VA Dan  500mW  900mW Pts:2
40M 0240Z N0TU 339/459 CO Steve 80mW  900 mW Pts:2
40M 0252Z WB6FLD 229/589 CA Rick  3W  90 mW Pts:16
40M 0314Z VA6RF 229/589 AB Earl 125 mW 5W Pts: 1
40M 0319Z AB6MB 589/599 CA Jeff 5W  5W Points:1
40M 0327Z K7MPH 559/559 OR Mark 200mW  450 mW Pts:4
40M 0352Z W7ILW 559/559 AZ Howard 200mW  900mW pts:2
40M 0358Z N6WG 599/579 CA Bob 5W  900mW Points:2
```

Day 2 Totals:  
Points: 48  
Club: 0  
Spc:X6  
Unique names=X10  
=====

TOTAL for DAY 2 ==> 48\*6\*10names + 0 => 2,888  
=====

Day 3; Sunday (local date), 0200Z-0600Z 4/17/2000 UTC  
=====

```
bnd  time  call sent/rcvd spc name His/my power.  NOTE
40M 0350Z N6RZ/6 579/559 CA Dave 5W  23mW Points:64
40M 0438Z K7MPH 599/339 OR Mark 3W  90mW pts:16
40M 0442Z K7TQ 539/449 ID Randy 100mW 90mW Pts:16
40M 0514Z AL7FS 339/549 AK Jim 5W  90mW Points:16
40M 0524Z K00L 539/449 NV Joe 4W  90mW Points:16
40M 0527Z KD7CTF 599/599 OR Lee 5 W 90mW Pts:16
```

Day 3 Totals:  
Points: 144  
Club: 0  
Spc:X5  
Unique names=X6  
=====

TOTAL for DAY 3 ==> 144\*5\*6names + 0 => 4,320  
=====

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA

My 2 pennies worth is just common cents.

-----  
Date: Mon, 17 Apr 2000 13:08:12 -0400  
From: Bob Kellogg <ae4ic@nr.infi.net>  
To: nilsbull@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [68076] Re: A neat kit what might be interesting  
Message-ID: <38FB44FC.D4BA5AE@nr.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nils,

My grandson got one of the telephones and built it. He's 10. No soldering required, but he soldered the connections any way. So, I sent off to Tech America and bought several of the little project kits.

So far he built, with my assistance, a little "Cricket" gadget that chirps when the room gets dark enough, then stops when the light goes on. This is a fun gadget for us Nerds who love practical jokes, and the grandson enjoys it.

I'm using these simple kits to try to get him interested in electronics -- so far, so good.

Nils R Young wrote:

> As you can guess, I'm sending for the first & giving serious  
> consideration to the second, if only to hang onto it until one of these  
> boys brings me grandchildren. Or I might just use the phone myself.

--

73,  
Bob Kellogg, AE4IC, Greensboro, NC  
Prolobly, not nececelery. - Benny Hill

-----  
Date: Mon, 17 Apr 2000 12:02:57 -0500  
From: Karl Kanalz <KKanalz@excel.com>  
To: "'kenk@primenet.com'" <kenk@primenet.com>, Low Power Amateur Radio Discussion

<qrp-1@Lehigh.EDU>

Subject: [68077] RE: Manhattan construction thoughts

Message-ID: <2D343922E283D211945C0008C7A41B2A02B20A0F@adntex01.adsn.dal.excel.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

How would you easily solder to the aluminum foil "ground" when you need to? That's why copper-coated PC boards are used for Manhattan style construction, Ken.

If you substitute copper foil for aluminum foil in your idea, then you might well have an excellent idea!

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----

From: Ken Knecht [mailto:kenk@primenet.com]

Sent: Monday, April 17, 2000 10:24 AM

To: Low Power Amateur Radio Discussion

Subject: Manhattan construction thoughts

I was thinking about the Manhattan construction method this morning.

A thought. (This is probably not original but I don't recall reading it anywhere.)

Rather than trying to come up with a large-enough piece of PC board to build on, why not take a piece of cardboard and glue down a sheet of aluminum foil on one surface. Then construct on this. Not as good as copper but it still should work. Essentially free and you could quickly make up a piece, any size or shape, whenever you needed it.

If necessary, the builder could give the cardboard a shot of water proofing before adding the aluminum foil - probably an artist's fixitive like Krylon spray would be the most convenient to use, but there are other sprays that should work as well. Or just paint the cardboard with something handy - acrylic varnish or paint maybe?

If anyone tries this let me know the results please. I don't have an immediate project in mind or free time at the moment to experiment.

72

Ken W9NPP AZ

-----



Date: Mon, 17 Apr 2000 13:22:53 -0400  
From: "Dieter \ (Diz\ ) Gentzow WB8QYY" <wb8qyy@cinci.rr.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [68078] Re: Manhattan construction thoughts  
Message-ID: <011901bfa891\$90814b20\$1461a518@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Easy UGLY construction can be realized by using copper sticky foil available from stained glass window shops; I stick it on the bottom of 0.1 inch perf boards.

Put your components on top of board; remove any copper tape on botom with exacto knife.

73 & "oo's" - Dieter (DIZ) Gentzow - WB8QYY - Loveland, Ohio  
Clermont County - EM79ug - near Cincinnati; 39.218N - 84.305W  
FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493  
<http://home.cinci.rr.com/wb8qyy> [AOL-IM "wb8qyy"]

----- Original Message -----

From: "Karl Kanalz" <KKanalz@excel.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, April 17, 2000 1:02 PM  
Subject: RE: Manhattan construction thoughts

> How would you easily solder to the aluminum foil "ground" when you  
> need to? That's why copper-coated PC boards are used for Manhattan  
> style construction, Ken.

>  
> If you substitute copper foil for aluminum foil in your idea, then you  
> might well have an excellent idea!

>  
> Karl K - W8TIF  
> McKinney, Texas  
>

> -----Original Message-----

> From: Ken Knecht [mailto:kenk@primenet.com]  
> Sent: Monday, April 17, 2000 10:24 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Manhattan construction thoughts  
>

> I was thinking about the Manhattan construction method this morning.

>  
> A thought. (This is probably not original but I don't recall reading it

> anywhere.)  
>  
> Rather than trying to come up with a large-enough piece of PC board to  
> build on, why not take a piece of cardboard and glue down a sheet of  
> aluminum foil on one surface. Then construct on this. Not as good as  
copper  
> but it still should work. Essentially free and you could quickly make up a  
> piece, any size or shape, whenever you needed it.  
>  
> If necessary, the builder could give the cardboard a shot of water  
proofing  
> before adding the aluminum foil - probably an artist's fixative like  
Krylon  
> spray would be the most convenient to use, but there are other sprays that  
> should work as well. Or just paint the cardboard with something handy -  
> acrylic varnish or paint maybe?  
>  
> If anyone tries this let me know the results please. I don't have an  
> immediate project in mind or free time at the moment to experiment.  
>  
> 72  
>  
> Ken W9NPP AZ

-----  
Date: Mon, 17 Apr 2000 12:05:20 -0600  
From: carlos.caro@lmco.com  
To: qrp-1@Lehigh.EDU, wb8qyy@cinci.rr.com  
Subject: [68079] RE: Manhattan construction thoughts  
Message-ID: <D0A28D7EFEB4D11181DE0000F80627BB023A46D7@emss02m14.ems.lmco.com>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain  
Content-transfer-encoding: 7BIT

fOLKS,

Read a lot of posts where the reference is UGLY construction. I still have  
copies of the 40 meter weekender that was first called ugly. I dont think  
its ugly and back in the 60's when I was doing a lot of lab R&D we called it  
3D construction.

Not a major issue but thought some might prefer a different way to refer to  
good ol' melting solder techniques.

Regards,

Carlos #1333

-----  
Date: Mon, 17 Apr 2000 14:38:28 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-1@Lehigh.EDU  
Subject: [68080] KITS:A neat kit what might be interesting  
Message-ID: <38FB5A24.863A2941@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Gang,

I also try to keep an eye out for interesting little kits - not necessarily QRP or ham radio. I have several of those companies on the QRP ARCI web site -Quick Link button: <http://www.qrparci.org/>

Look through the list and if you see some that you don't recognize as "qrp" kit makers, they are very likely those selling other interesting little kits. One of them (Centerpointe - no endorsement implied) has a crystal radio kit for \$5, as I recall.

--  
Jim Stafford/W4Q0/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Mon, 17 Apr 2000 11:49:06 -0700  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [68081] Re: antenna fundamentals  
Message-ID: <01bfa89d\$9bd01360\$a0d0fc9e@ham.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello John

You're question about antennas is pretty fundamental, as we all struggle

with it.

There are antennas that are preferred in an ideal world. However, we have to live with the constraints of our living environments. That means that an 80m dipole at 132 ft would be out of the question for many.

A 40m dipole at about 67 ft is more do-able, especially if a few feet at each end are allowed to droop down or even go horizontally.

We need to establish what band, or bands, you will want to use.

Before recommending a particular antenna for you, I would ask a couple of questions.

Where are you located? If in the center of the country, an antenna blowing East-West might be a good choice. If you are along a northern or southern border, something with a very wide coverage angle, like half a circle, might be more appropriate. Or even omnidirectional, so as not to cut out our VE neighbors.

Once you have some idea of what kind of coverage your antenna has to produce, we look at the realities of your antenna site. It is probably rectangular, so which direction does the long axis run? What antenna supports already exist? Trees, corners of a building, etc. Can you put up a mast, perhaps 35 ft high or so? If so, where on your site?

Where will your shack be--close to the antennas, other side of the house, basement? This affects what you use for a transmission line.

Almost sounds like someone trying to sell you an investment portfolio, doesn't it. However, you are investing your time and effort to put up a usable antenna, and your future operating time in using it.

Give these some thought and get back to us. There are many ideas here for you to check out once we get your info.

73, Bob N6WG

-----

Date: Mon, 17 Apr 2000 12:48:57 -0700  
From: Patrick Armstrong <aa7fg@gte.net>  
To: qrp-1@Lehigh.EDU  
Subject: [68082] Sell: Norcal club kits unbuilt - UPDATE  
Message-ID: <38FB6AA9.63A47814@gte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Many thanks to ALL how responded... Paddles are sold; NC20 price reduced...

Thanks, Pat - AA7FG...

I offer the following for sale and thanks;

NC-20 club kit, unbuilt... \$110.00 shipped USA - REDUCED

NorCal iambic paddle kit, unbuilt...\$60.00 - SOLD

Pat, AA7FG...

-----  
Date: Mon, 17 Apr 2000 15:57:09 -0400  
From: "Dieter \ (Diz\ ) Gentzow WB8QYY" <wb8qyy@cinci.rr.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [68083] Old Callbooks  
Message-ID: <002701bfa8a7\$1d88c290\$1461a518@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Does anybody have a callbook prior to 1950?  
Or know where I could get one?

73 & "oo's" - Dieter (DIZ) Gentzow - WB8QYY - Loveland, Ohio  
Clermont County - EM79ug - near Cincinnati; 39.218N - 84.305W  
FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493  
<http://home.cinci.rr.com/wb8qyy> [AOL-IM "wb8qyy"]

-----  
Date: Mon, 17 Apr 2000 13:08:58 -0700  
From: "Cam Hartford" <camqrp@cyberg8t.com>  
To: <qrp-l@lehigh.edu>  
Subject: [68084] More Milliwatting Fun  
Message-ID: <000401bfa8a8\$dd4ac460\$a847cbd1@Camqrp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Friday night 20 meters sounded pretty lively so I thought I'd try my hand at some of this milliwattting stuff. I cranked the output down to 500 mW and promptly ran into Dan, N4ROA, who proceeded to stomp me with his mighty 50 mW!

So, maybe there is life below 500 mW after all. Saturday night I got on 10 meters with my Sierra cranked back to 100 mW. Things were pretty slow until I heard a ZL calling CQ. What the heck, give him a try. He came back and gave me an RST of 319, after which we conversed for about ten minutes. (I knew he was copying me when he came back and asked where the city of Lax, California was located!!)

Amazing what some sunspots and a little salt water will do for a few milliwatts!

72/73,

Cam N6GA

-----  
Date: Mon, 17 Apr 2000 14:45:00 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [68085] FS:crystals  
Message-ID: <Pine.LNX.3.95.1000417133338.17552A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Scouring through my junque box has uncovered some crystals that were used in the days of crystal controlled rigs. Maybe someone has a use for these so I'm offering them at a price of \$1.00 each (Cdn or US). Send an sase with a note telling me which crystals you want OR I sell them at a price of ..... for all of them.... "T" stands for transmit and "R" for receive...they are all the hc----- type.

Drawer #1:-

T - 146.13 - 12.1775 - Multi 2 - quantity 4.

R - 146.79 - 36.3333 - Multi 7 - quantity 1.

R - 146.64 - 15.1044 - Multi 2 - quantity 2.

R - 146.73 - 15.1144 - Multi 2 - quantity 5.

Drawer #2:-

T - 146.04 - 12.17000 - TR22 - quantity 4.  
T - 146.13 - 12.17775 - TR22 - quantity 1.  
T - 146.73 - 12.2275 - CTS/SCAN - quantity 2.  
T - 146.46 - TR2200 - quantity 1.

R - 146.64 - 15.1044 - KP202 - quantity 1.  
R - 146.73 - 45.3433 - TR2200 - quantity 1.  
R - 146.82 - 15.1244 - CTS/SCAN - quantity 1.

Drawer #3:-

T - 146.13 - 12.1775 - Multi II - quantity 1.  
T - 146.37 - 12.1975 - Multi II - quantity 2.  
T - 147.63 - - Multi II - quantity 1.

R - 147.63 - 15.1144 - Multi II - quantity 1.  
R - 146.52 - - Multi II - quantity 2.  
R - 146.73 - 15.1144 - Multi II - quantity 4.  
R - 146.97 - 15.1411 - Multi II - quantity 2.  
R - 147.00 - - quantity 1.  
R - 147.03 - - quantity 1.

Drawer #4:-

T - 146.04 - 12.1700 - - quantity 1.  
T - 146.13 - 12.1775 - - quantity 1.  
T - 146.13 - 6088.75 - - quantity 1.  
T - 146.46 - - HW202 - quantity 1.  
T - 147.33 - - - quantity 1.  
T - 147.60 - - - quantity 1.

R - 146.64 - 15.1044 - - quantity 1.  
R - 146.73 - 45.3433 - - quantity 1.  
R - 146.73 - 15.1144 - - quantity 1.  
R - 146.82 - - - quantity 1.  
R - 146.76 - - - quantity 1.  
R - 147.60 - - - quantity 1.

Drawer #5:-

T - 146.01 - - FDK - quantity 3.  
T - 146.28 - - FDK - quantity 1.  
T - 146.52 - - FDK - quantity 1.  
T - 146.94 - 12.245 - FDK - quantity 1.  
T - 147.33 - - FDK - quantity 2.

R - 146.61 - - FDK - quantity 2.  
R - 146.82 - - FDK - quantity 1.  
R - 146.94 - - FDK - quantity 1.

Drawer #6:-

T - 146.04 - 12.1700 - Multi 7 - quantity 3.  
T - 146.13 - 12.1775 - Multi 7 - quantity 4.  
T - 146.22 - 12.1850 - Multi 7 - quantity 4.  
T - 146.28 - - Multi 7 - quantity 2.  
T - 146.34 - - Multi 7 - quantity 2.  
T - 146.46 - - Multi 7 - quantity 4.  
T - 146.52 - - Multi 7 - quantity 4.  
T - 147.33 - - Multi 7 - quantity 2.

R - 146.64 - 45.3133 - HW202 - quantity 1.  
R - 146.73 - 45.3433 - - quantity 2.  
R - 146.82 - 45.3733 - - quantity 3.  
R - 147.06 - - - quantity 4.  
R - 146.97 - 45.4233 - - quantity 1.  
R - 146.88 - - MII - quantity 1.

Drawe #7:-

T - 146.28 - 18.2850 - - quantity 1.  
T - 146.52 - - - quantity 1.

R - 146.52 - - - quantity 1.  
R - 146.94 - 17.51555- - quantity 1.  
R - 147.06 - 17.52888- - quantity 1.  
R - 147.33 - 15.18111- - quantity 1.

Drawer #8:-

Yaesu FT-101B - 7.520 mHz - quantity 1.  
MRH1 - 155.670 10-6 - quantity 1.  
MRH1 - 153.830 8-6 - quantity 1.

Drawer #9:-

T - 146.00 - 12.1666 - - quantity 2.  
T - 146.00 - 12.1675 - - quantity 2.  
T - 146.20 - 12.1875 - - quantity 1.  
T - 146.25 - 12.1900 - - quantity 1.

R - 146.00 - 15.0333 - - quantity 1.  
R - 146.16 - 15.1533 - - quantity 1.  
R - 146.60 - 15.1011 - - quantity 2.  
R - 146.80 - 15.1278 - - quantity 1.  
R - 146.80 - 15.1311 - - quantity 1.  
R - 146.34 - 15.2133 - - quantity 1.

Drawer #10:-

T - 146.00 - - - quantity 1.  
Philips - 16.1077 - 7546 - - quantity 1.  
Philips - 45.41333 - 7519- - quantity 1.



R - 144.45 - - - quantity 1.

Drawer #11:-

146.19 - 12.1825 - - quantity 2.  
R - 146.64 - 45.3133 - - quantity 3.

Drawer #12:-

- 146.13 - 12.1775 - - quantity 1.  
- 146.16 - 12.1800 - - quantity 1.  
R - 146.28 - 12.1900 - - quantity 2.  
R - 146.52 - 12.2100 - - quantity 1.  
T - 146.82 - 12.2350 - - quantity 1.  
T - 146.94 - 12.2450 - - quantity 2.  
T - 146.73 - 12.2275 - - quantity 1.  
- 147.33 = 12.2775 - - quantity 3.

R - 146.13 - 45.1433 - - quantity 1.  
R - 146.28 - 45.1933 - - quantity 2.  
R - 146.28 - 15.0644 - - quantity 1.  
R - 146.52 - 15.0911 - - quantity 1.  
R - 146.88 - 15.1311 - - quantity 1.  
R - 147.33 - 45.5433 - - quantity 1.  
R - 147.33 - 15.1811 - - quantity 2.

Drawer #13:-

Philips - 45.213 - 7519 - - quantity 2.  
R - 146.94 - - MRH1 - - quantity 3.

Drawer #14:-

- 222.55 - 18.5458 - - quantity 1.  
- 223.50 - 18.6250 - - quantity 1.  
  
R - 222.75 - 53.0125 - - quantity 1.

Drawer #15:-

MRH1 - 155-190 - - quantity 1.  
- 146.76 - Kenwood TR2200 - - quantity 1.  
R - 147.06 - 15.1511 - - quantity 1.  
R - 147.33 - - MII - - quantity 1.  
R - 147.33 - - 202 - - quantity 1.

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Mon, 17 Apr 2000 17:13:35 -0400  
From: "Ken Hanks" <captnfd@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [68086] FS: QRP accessories  
Message-ID: <00f501bfa8b1\$cdfc3940\$b8108ad1@acer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Spring cleaning in the K1XS shack:

(1) Steve "melt solder" Weber unassembled QRP amp kit. 20W out. Can be set for any 1 band, 80-10M. All parts and manual. \$25

(1) MFJ Tunable CW/SSB audio filter. MFJ-751. No manual, but it is on order from MFJ (I'll send to buyer N/C) \$20

(1) Vectronics VEC 841 tunable CW filter. Kit I assembled. Works but needs to be adjusted with a scope and signal generator. Includes Vectronics case. \$20

(1) Micronta meter 21-522 3 meters: Power, % Modulation, and SWR. Has pickup on 4 foot cord. 5/50/500 watt scales. \$20

(1) Micronta SWR\Field strength meter. 21-525B Small unit Unknown power rating. \$10

All prices include USPS Priority mail to US or Canada.

73,

Ken Hanks K1XS  
Naugatuck, CT  
CaptNFD@yahoo.com

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Date: Mon, 17 Apr 2000 15:19:05 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <listproc@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [68087] Re FS:crystals  
Message-ID: <Pine.LNX.3.95.1000417150720.24670A-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Regarding my post.....I am preparing a list of crystals which someone might want to use.....while doing this, somehow the message was sent out to QRP-C and QRP-L.....I don't know how I did it but I did...HI  
HI...nothing new for me eh!?!.....so the list is not ready for posting as I have to go over every crystal and get the list as accurate as I can folks...they all look unused except for one...so I apologize for my error but I should have the list out this week....maybe someone will want to buy the whole package.....if not we'll chip away at them....actually I've been trying to print the list out and right now my printer won't do the whole list.....grrrrrr.....BUT I can send it out to the whole world without knowing how I did it!.....HAR!.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Mon, 17 Apr 2000 17:29:32 -0400  
From: "Ken Hanks" <captnfd@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <captnfd@yahoo.com>  
Subject: [68088] Re: QRP accessories  
Message-ID: <010d01bfa8b4\$09e2c760\$b8108ad1@acer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Amp kit and 3 meter RS meter sold.

-----  
Date: 15 Apr 2000 18:51:01 -0400  
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>  
To: qrp-l;;  
Subject: [68089] MDS explained for HF receivers  
Message-ID: <2000Apr15.185101-0400@[130.113.234.7]>

Someone (at ArkieCon) asked what MDS was all about. Didn't give a very coherent answer, so thought I'd try here....

Minimum Discernible Signal (MDS) is a measure of receiver sensitivity. It gives the apparent noise level at the input of your

receiver when the lousiest antenna possible is connected: a 50-ohm dummy load. A signal strength equal to this noise amplitude is called the MDS, and would sound about waist-deep in noise.

When you plug your antenna into a live receiver, you oughta hear the background noise level go up. This means that the general noise level collected by your antenna from "out there" (atmospheric noise) is higher than the receiver's MDS.

If noise level rises DRAMATICALLY when you plug in an antenna, then your receiver is overly sensitive. In such a case, a front-end attenuator or "RF GAIN" control could be put to good use.

You might ask one of two questions:

"What antenna is 'good enough' for my favorite receiver?"

"What receiver MDS is required for my intended antenna?"

Both are nasty questions to answer, for two reasons...

- 1) Antennas are compared against one another rather than calibrated in terms of signal power available at their terminals.
- 2) The atmospheric noise "out there" varies with time and with frequency, and with spots on the sun, etc.

The smallest noise we should practically consider is that of a resistor at room temperature. Actually, engineers consider +290 degrees kelvin (about 63 degrees F) to be the temperature that an antenna will see. A resistor (doesn't matter what value) will generate a noise signal level of -174 dBm over a bandwidth of one hertz. For a CW radio with 500 Hz bandwidth, noise would be 27 dB higher, or -147 dBm.

The HANDBOOK states that for frequencies below 10MHz., atmospheric noise averages 40 dB higher than this. If your antenna were to collect all this noise, a receiver whose MDS is better than -107 dBm would be perfectly adequate, at least half the time.

But the HANDBOOK also cautions that at times, atmospheric noise levels drop to near zero. In this case, you'd want a receiver that could nearly distinguish the basic -147 dBm thermal noise level.

And consider the case where you've got a less-than-adequate antenna, like a walkie-talkie whip, or a really quiet short loop. Here, you need a good MDS too.

For these cases, you'd like a really sensitive receiver whose MDS approaches -147 dBm. A really good HF receiver might have a noise figure of 10dB, which would make our 500Hz. bandwidth receiver have an MDS of -137 dBm.

Summary -

- 1) MDS (Minimum Discernible Signal) tells how much noise is at the front end of a receiver.

- 2) MDS depends on bandwidth - a higher bandwidth gives higher numbers.
- 3) MDS includes the receiver's noise figure.
- 4) A 500Hz bandwidth receiver can't have MDS better (lower) than -147dBm
- 5) MDS of -137 dBm is very good - better than necessary most of the time.
- 6) MDS of -107 dBm is fine half the time, if you've got a good antenna.

Glen VE3DNL    leinwebe@mcmaster.ca

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Date: Mon, 17 Apr 2000 18:55:01 -0400  
From: "David Porter" <dporter@voicenet.com>  
To: "qrp-l" <qrp-l@Lehigh.EDU>  
Subject: [68090] Tyvek for Scott Sled Kite (antenna hook)  
Message-ID: <200004172255.SAA172538@nss4.cc.lehigh.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I've been to two Home Depot stores and each one refuses to sell Tyvek by the piece. Since the roll is 9 ft by 150 ft, a roll will make 15 kites as shown in April, 2000 QST.(requires a 9 ft by 10 ft piece). They want \$138.00 plus tax for the roll, so each of the 15 pieces would work out to about \$10.00 each give or take a little for shipping.

If 15 people are interested, I'll do it. Let me know.

On the other hand, if you know where I can get a 9 ft by 10 ft piece, let me know that too.

David Porter  
dporter@voicenet.com

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End of QRP-L Digest 1794

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